

FIG. 1

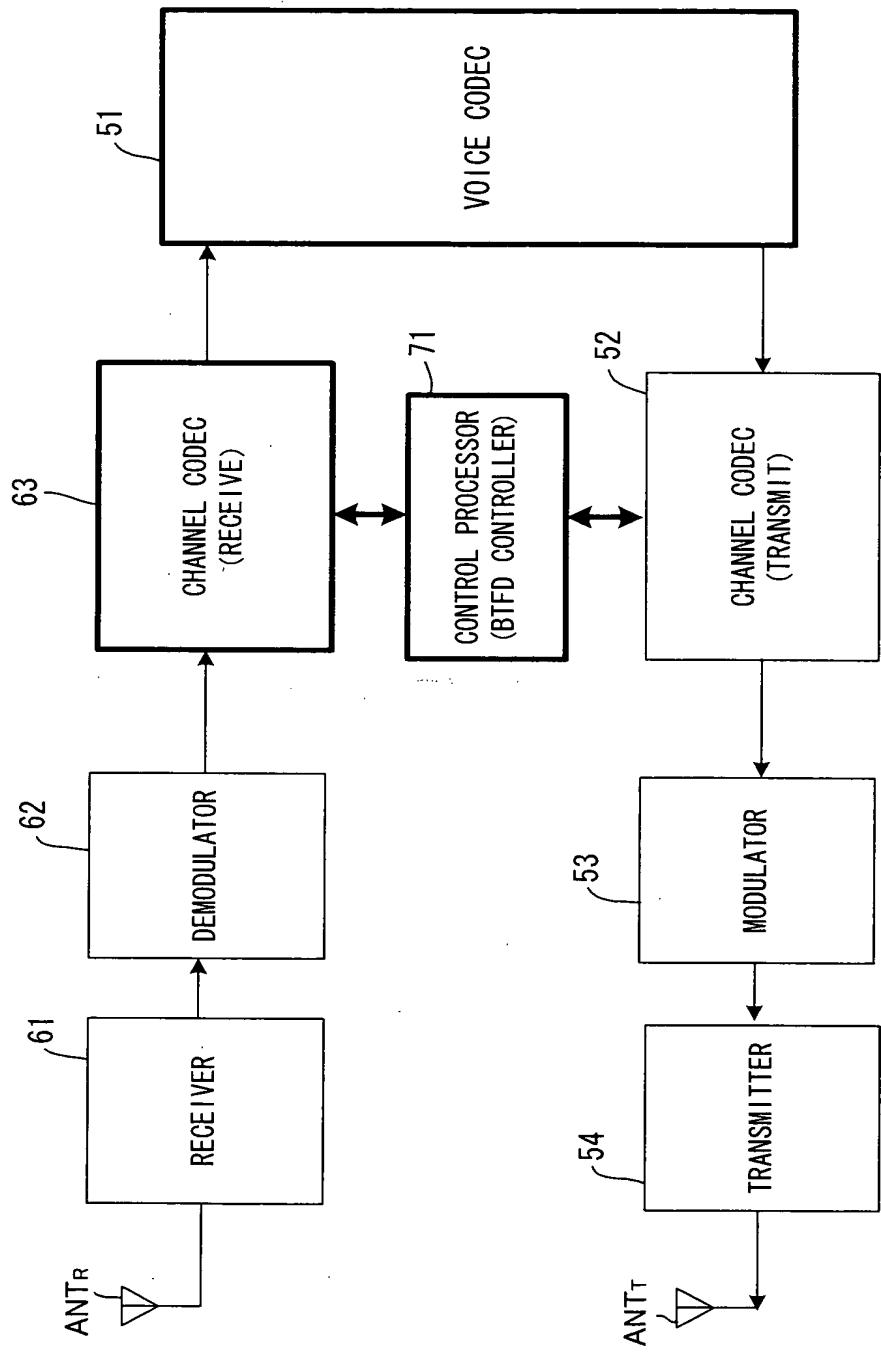


FIG. 2

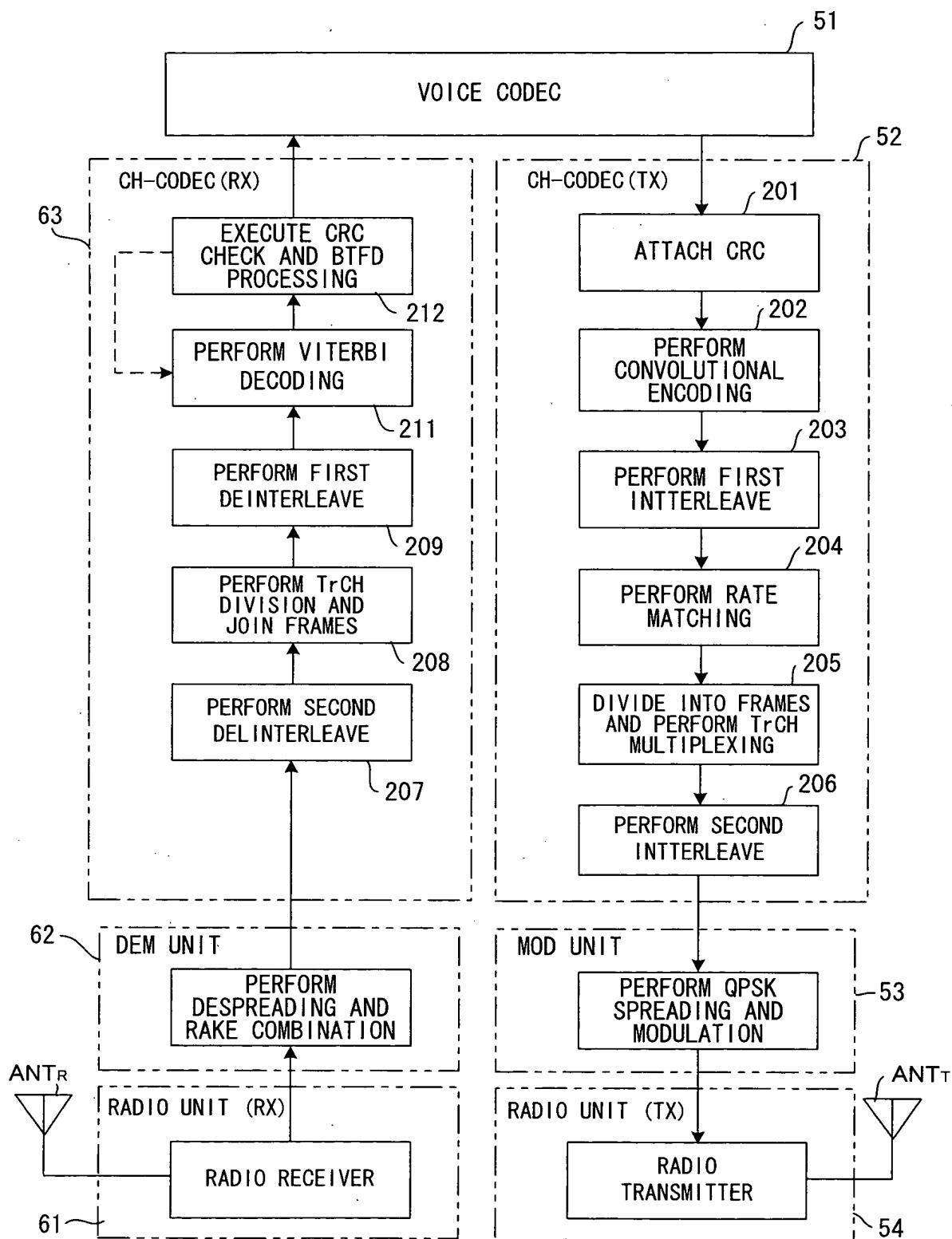


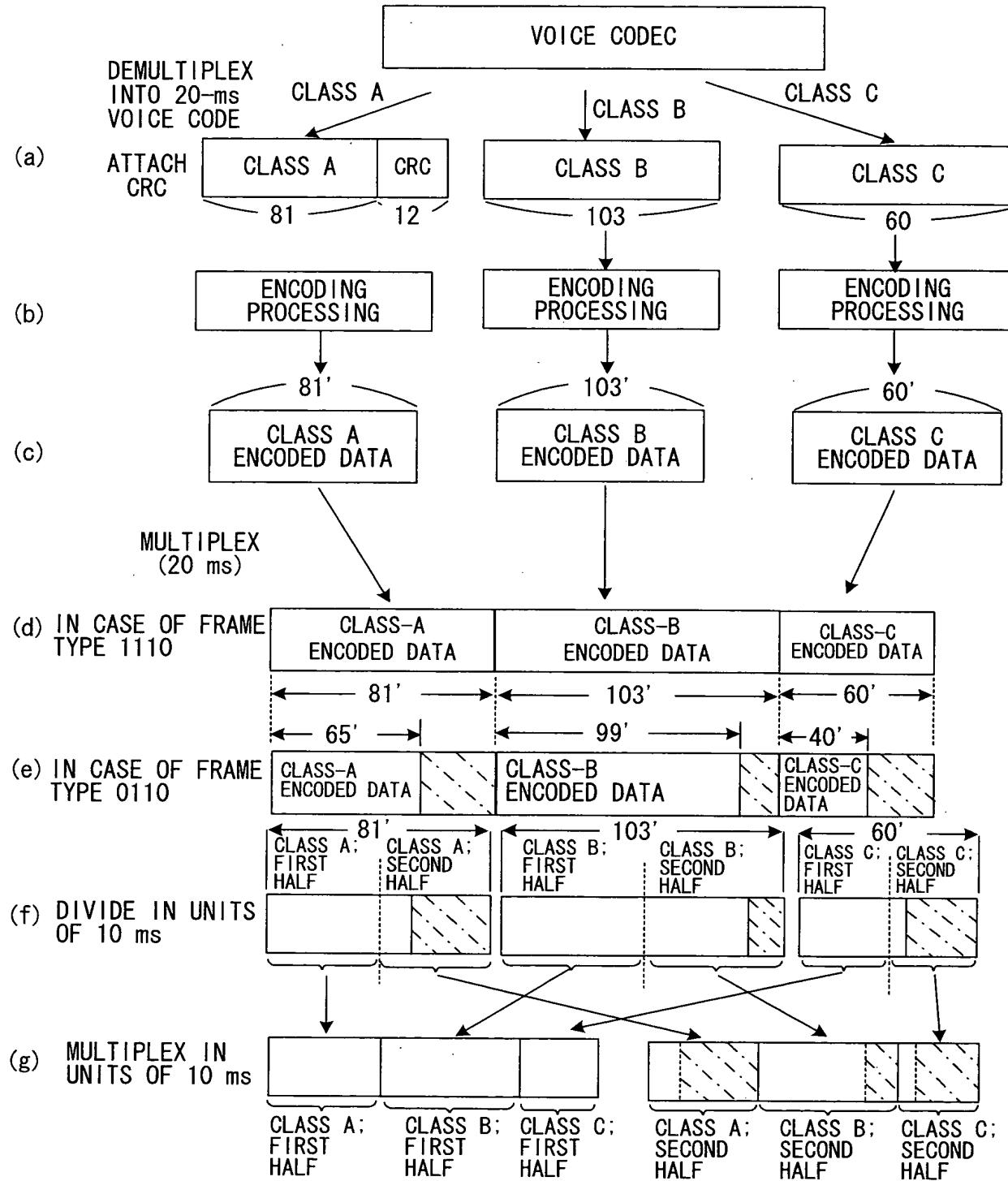
FIG. 3

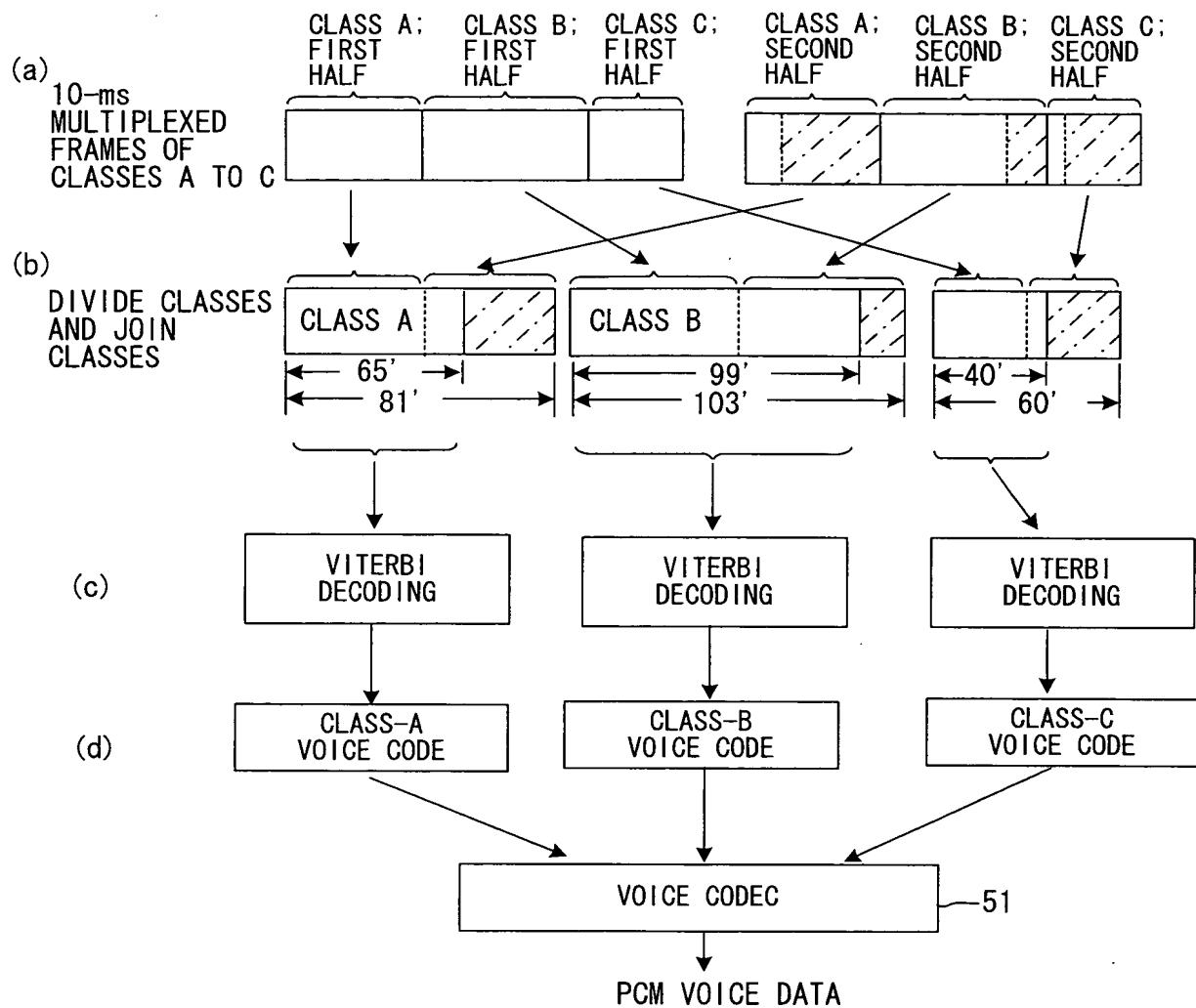
FIG. 4

FIG. 5

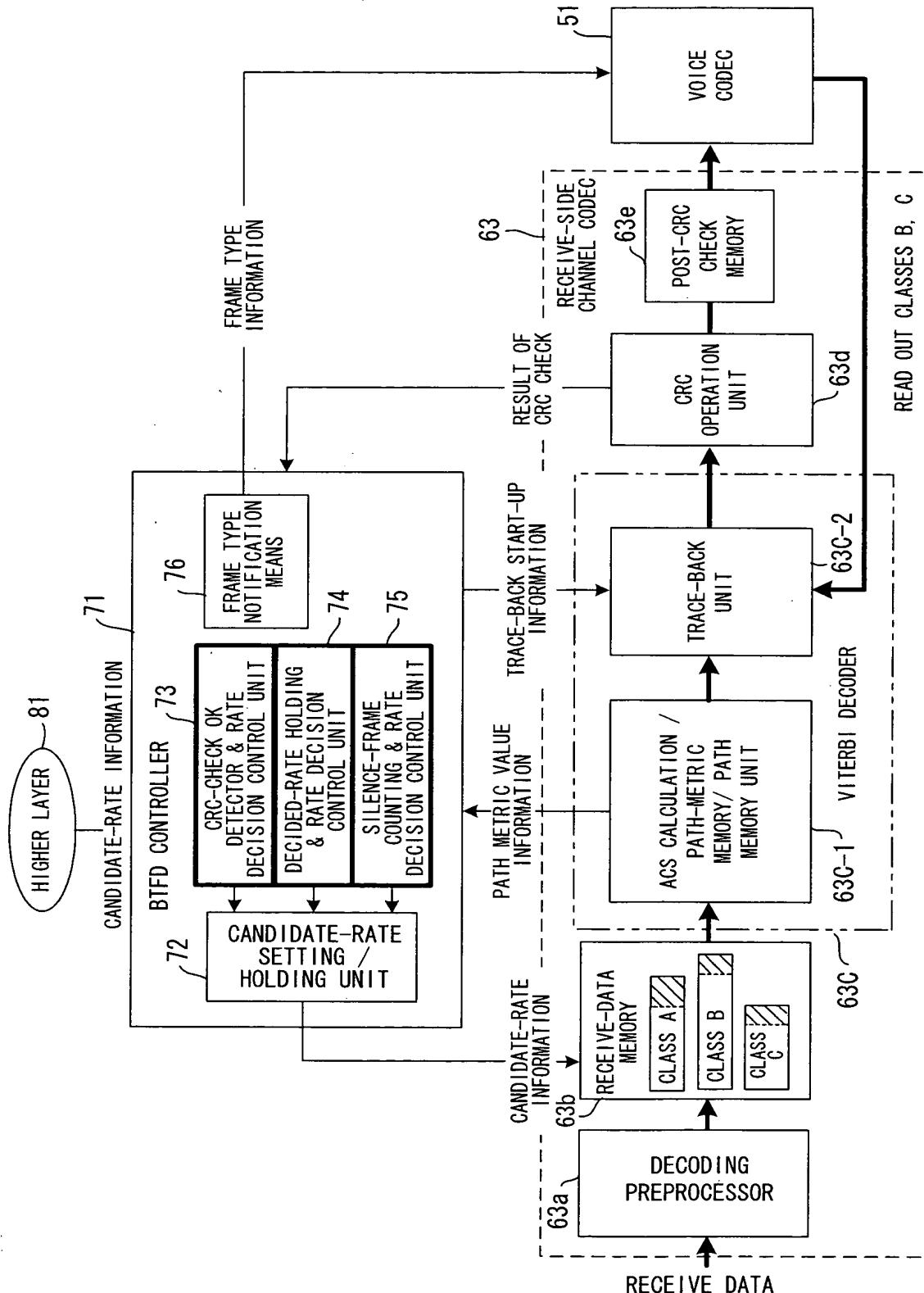


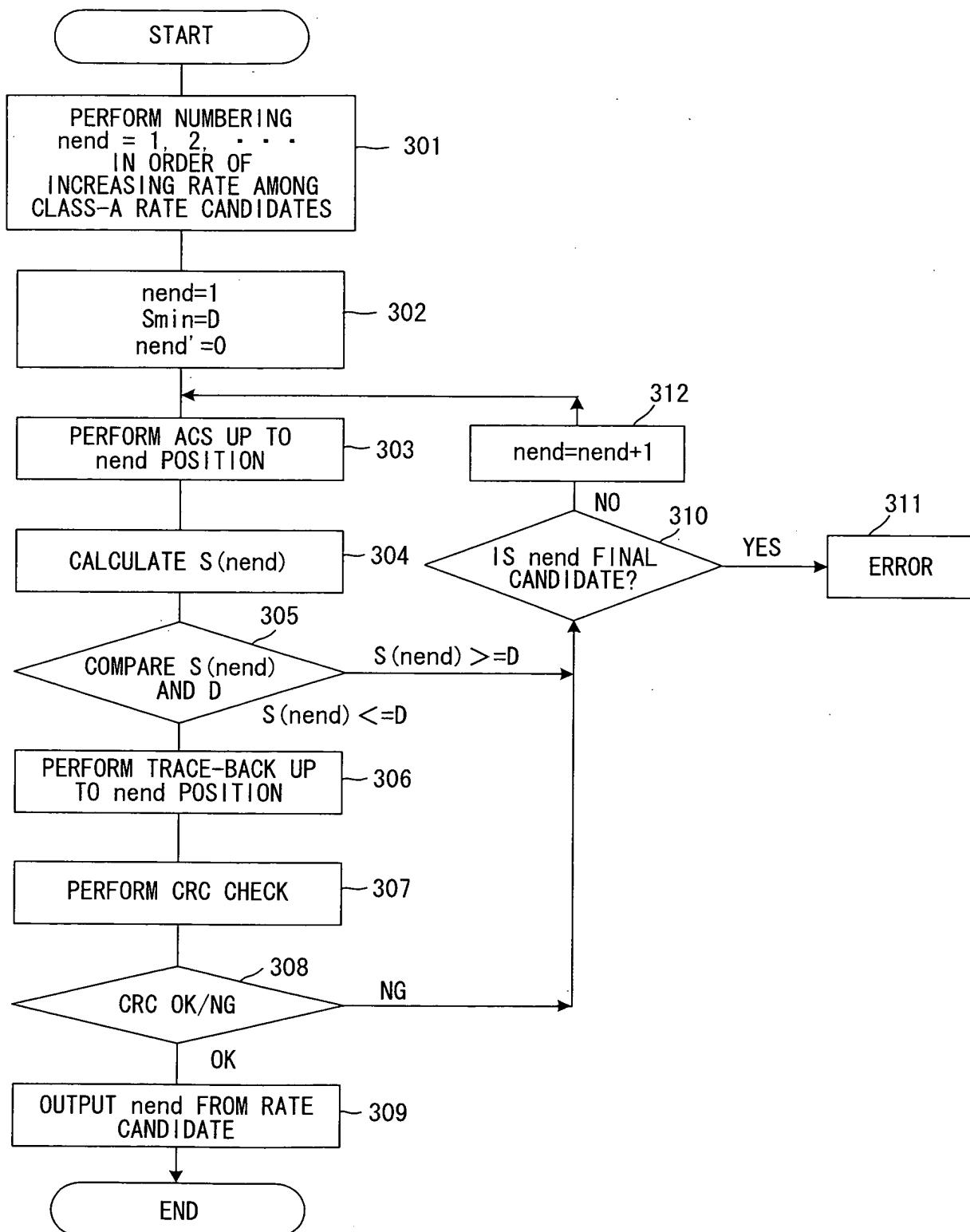
FIG. 6

FIG. 7

INITIALIZE: TURN OFF RATE-DETERMINED FLAG

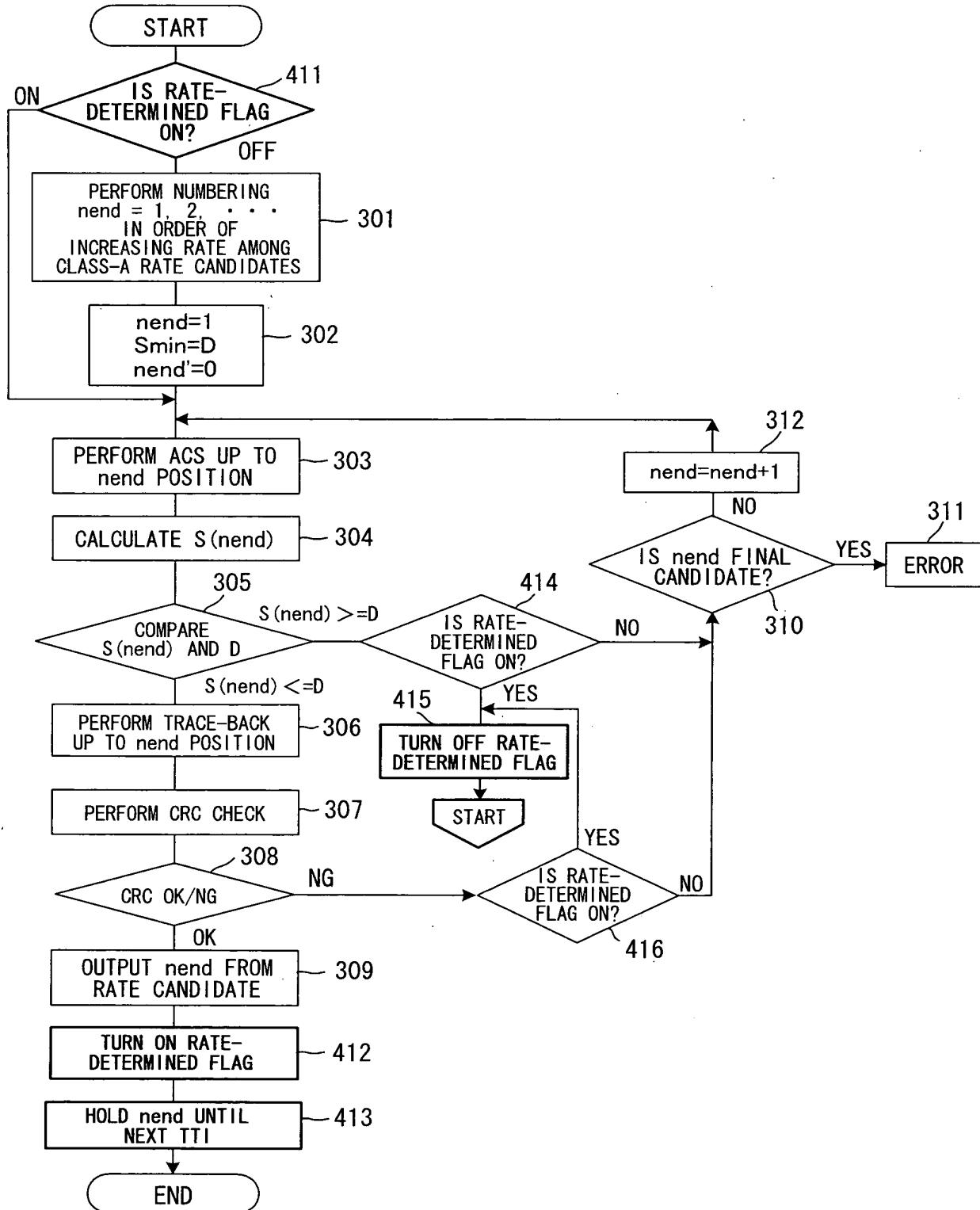


FIG. 8

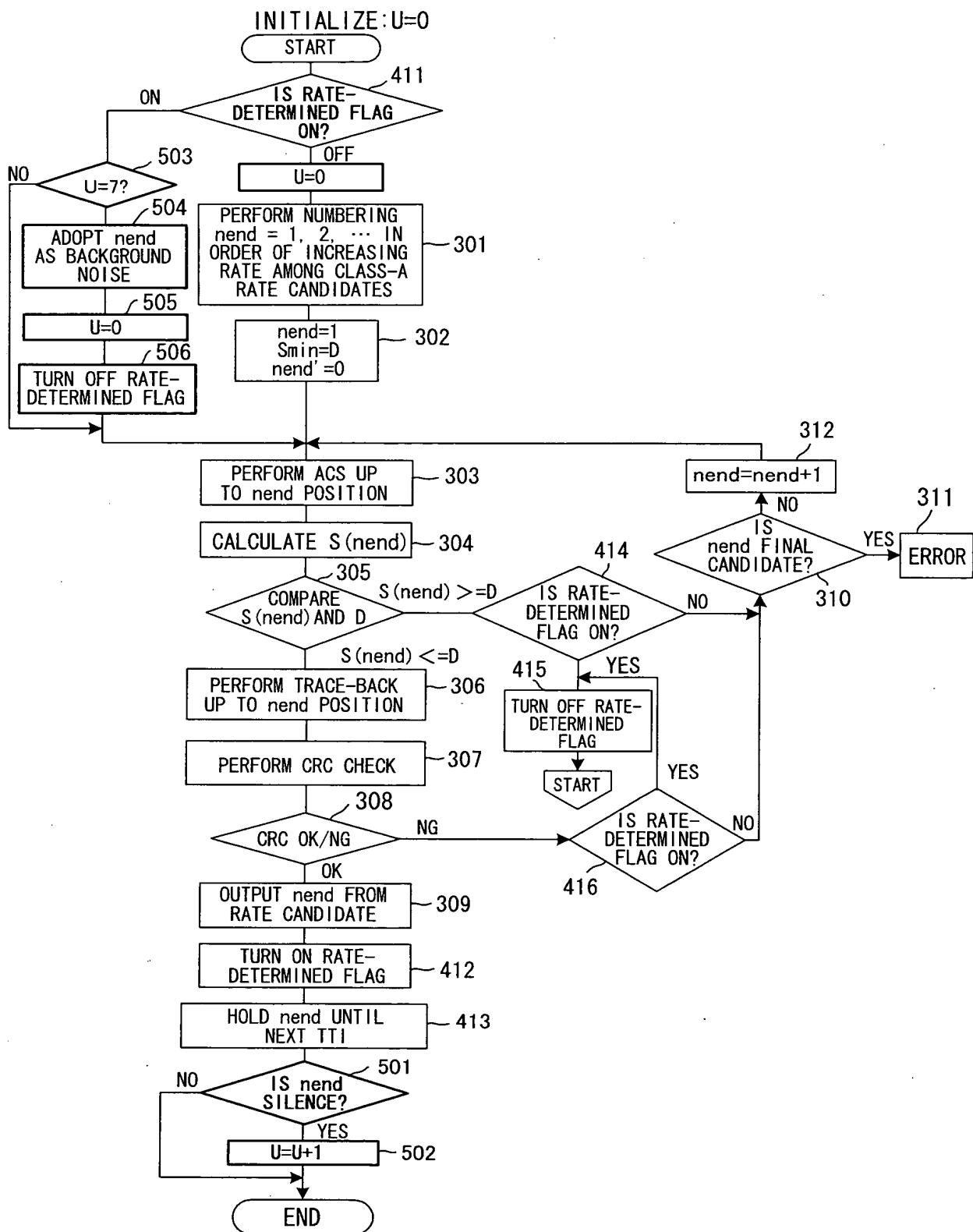


FIG. 9 PRIOR ART

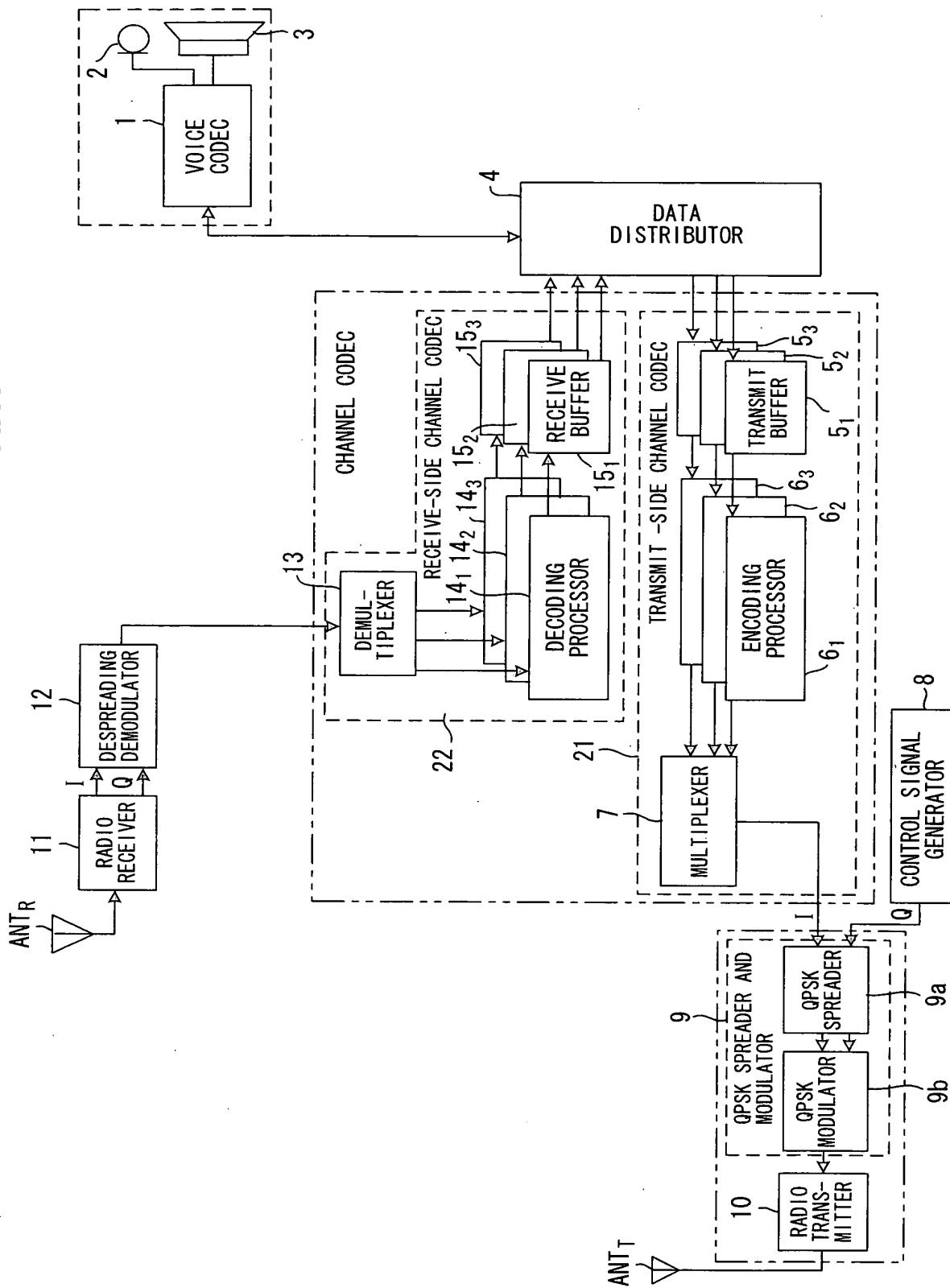


FIG. 10 PRIOR ART

FRAME TYPE	CLASS A (bit)	CLASS B (bit)	CLASS C (bit)	REMARKS
0000	42	53	0	4. 75Kbps
1000	49	54	0	5. 15Kbps
0100	55	63	0	5. 90Kbps
1100	58	76	0	6. 70Kbps
0010	61	87	0	7. 40Kbps
1010	75	84	0	7. 95Kbps
0110	65	99	40	10. 2Kbps
1110	81	103	60	12. 2Kbps
0001	39	0	0	GSM_Amr_Comfort_ Noise_frame (BACKGROUND NOISE)
1111	0	0	0	No Transmission/ Reception(SILENCE)

FIG. 11 PRIOR ART

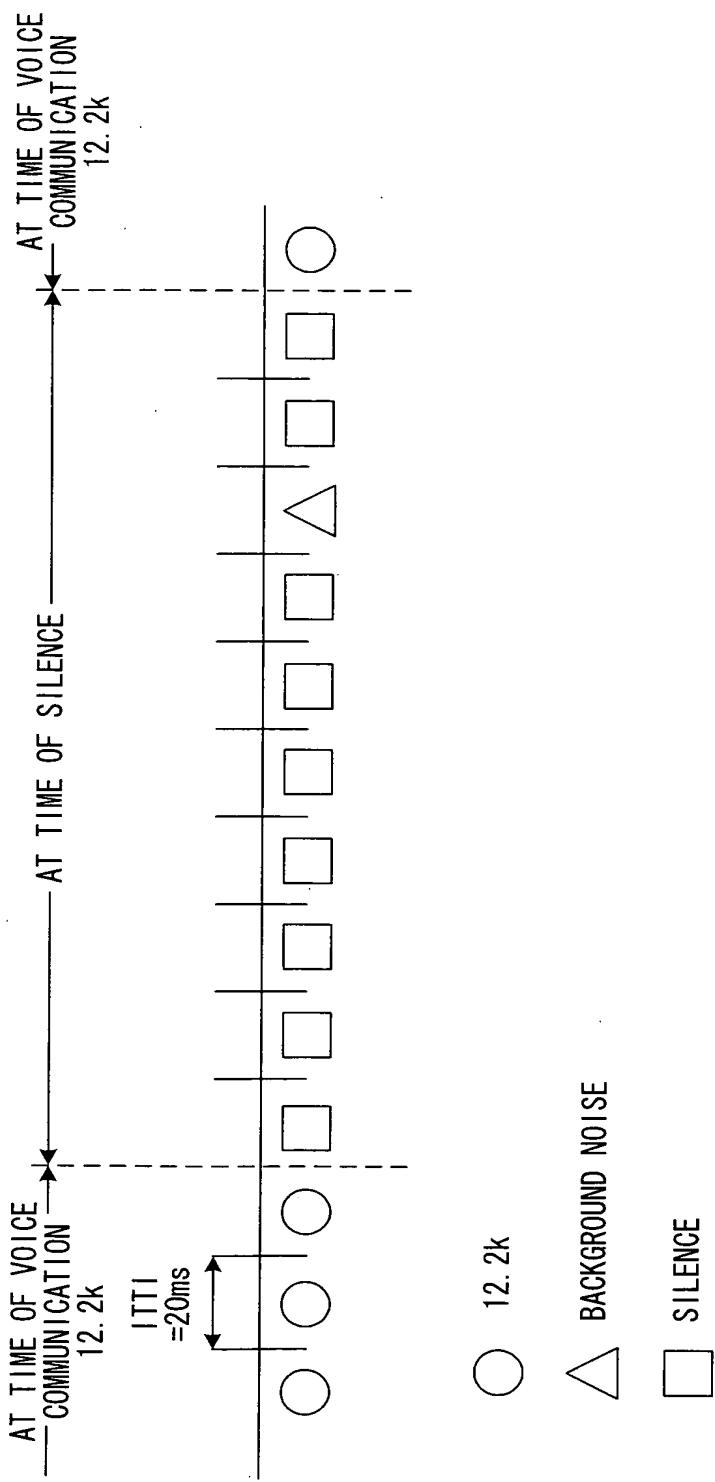


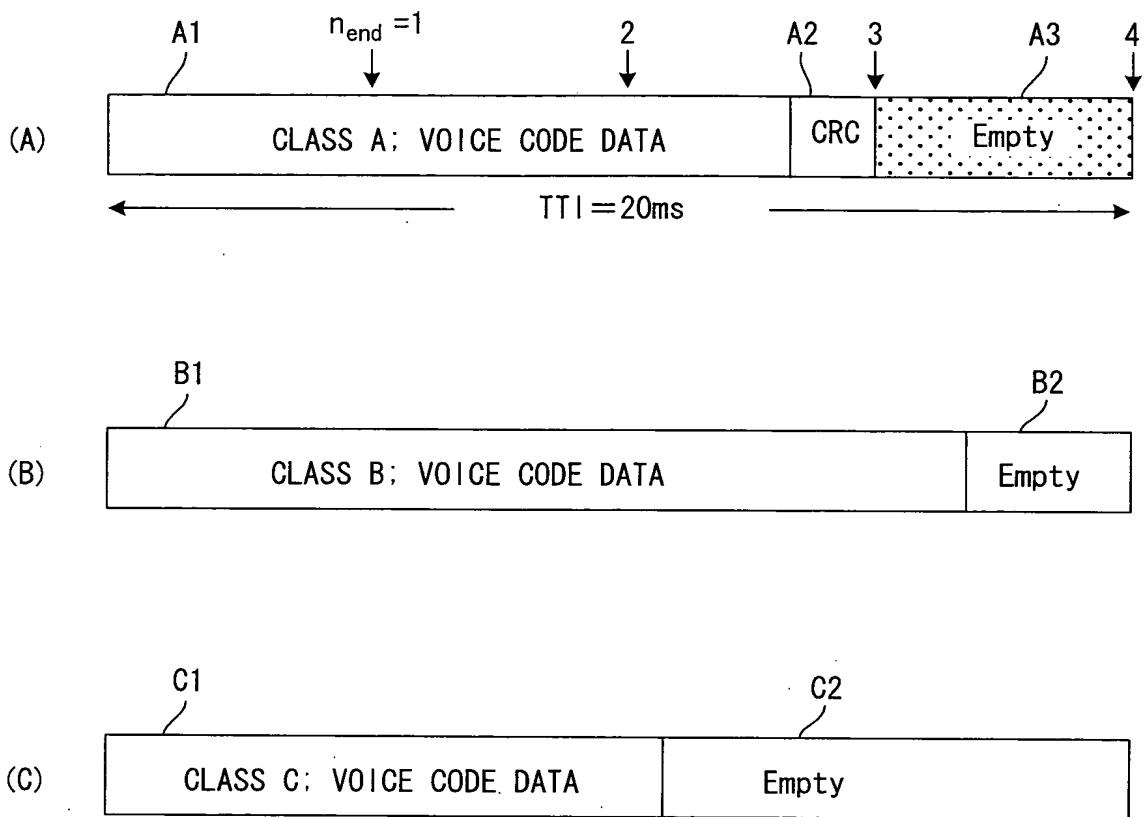
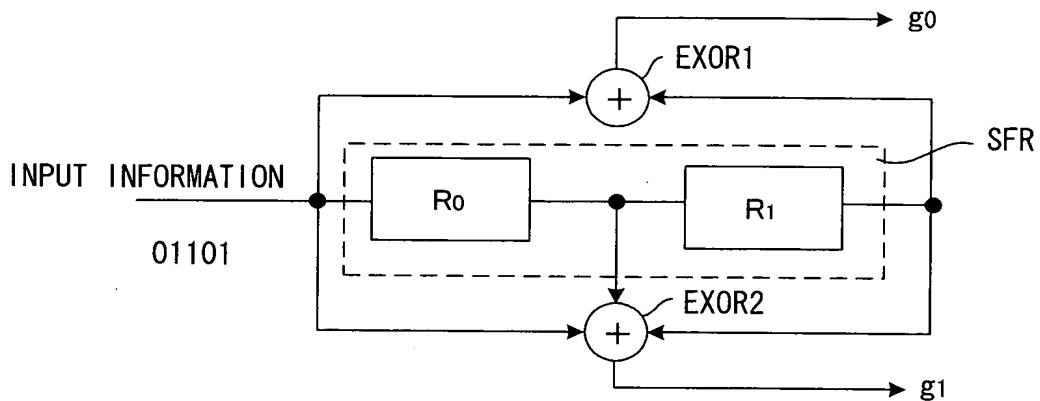
FIG. 12 PRIOR ART

FIG. 13 PRIOR ART**FIG. 14 PRIOR ART**

INPUT	SHIFT REGISTER		OUTPUT	
	INITIAL STATE		g ₀	g ₁
0	R ₀	R ₁	0	0
1	0	0	1	1
1	1	0	1	0
0	0	1	1	0
1	1	0	0	0

state

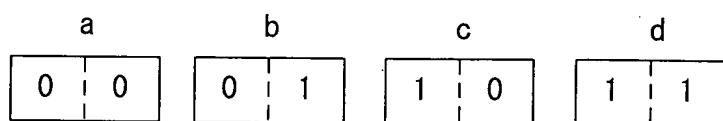
FIG. 15 PRIOR ART

FIG. 16 PRIOR ART

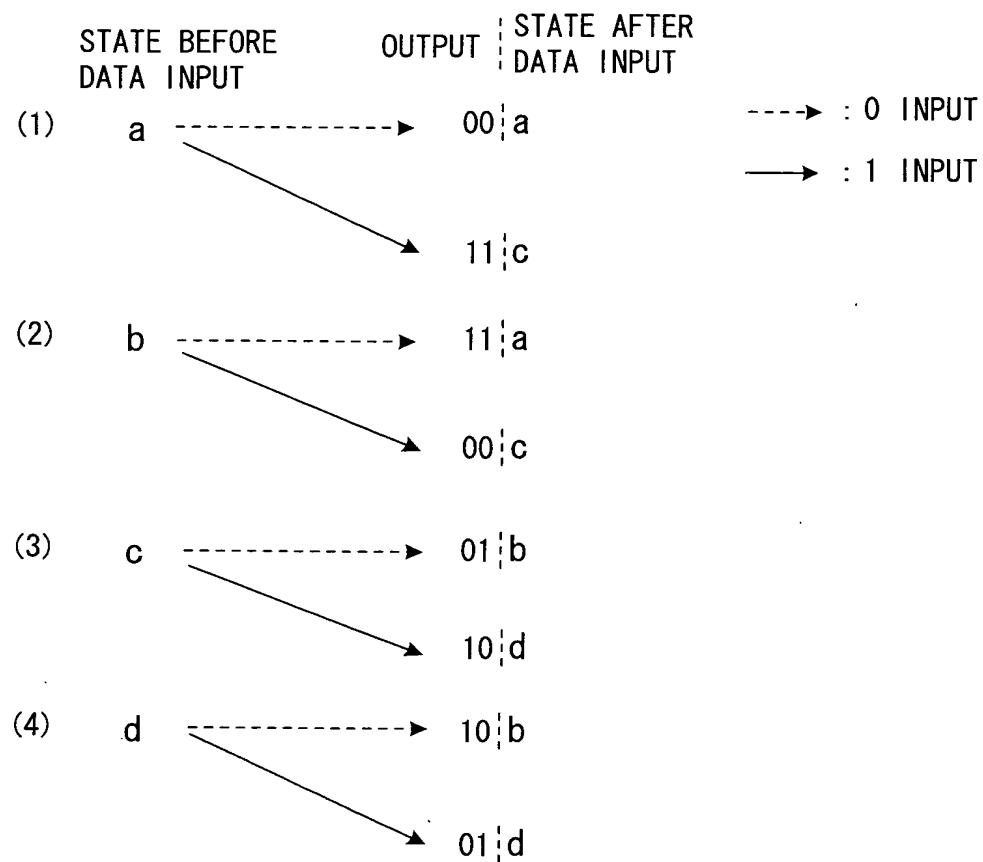


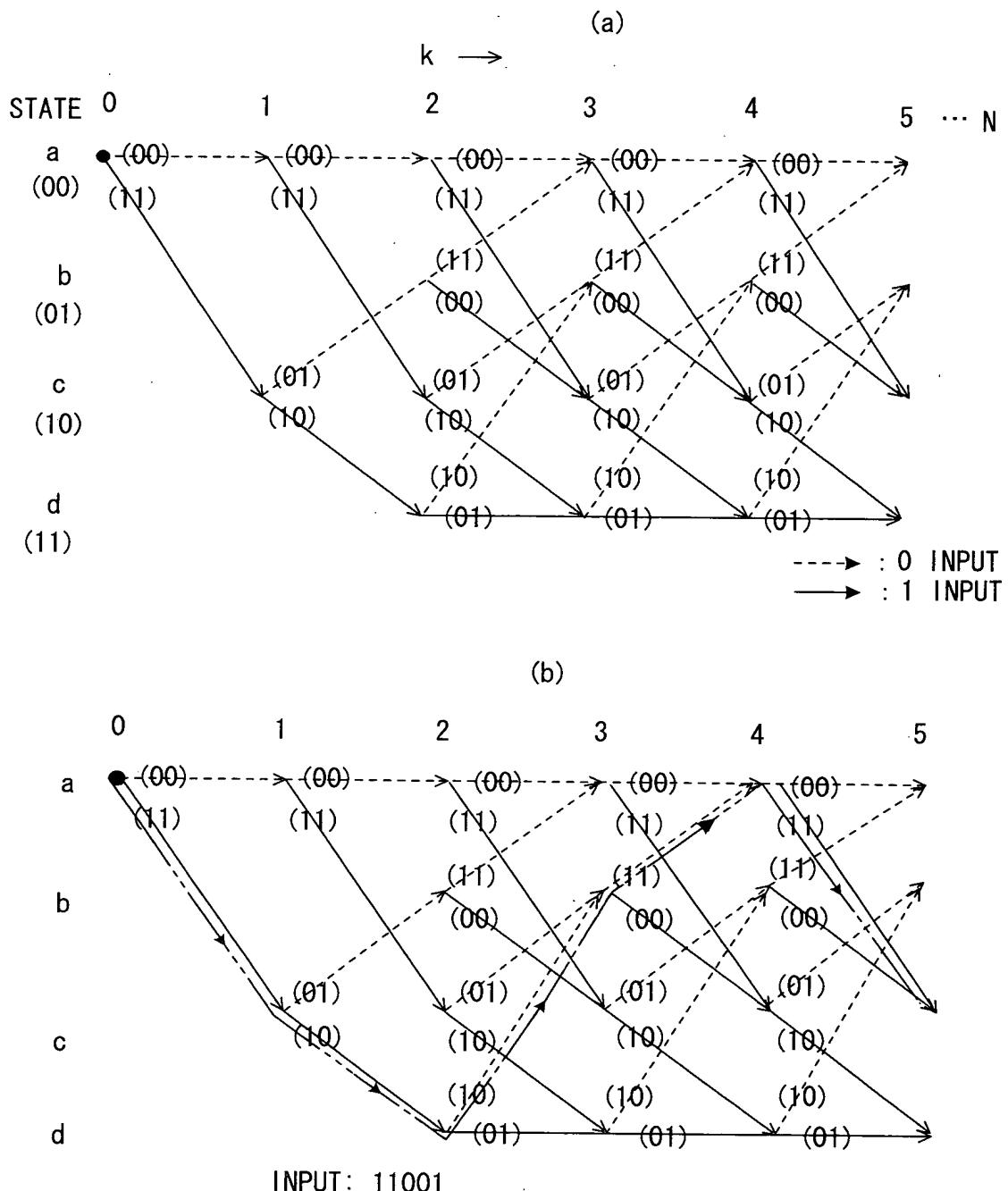
FIG. 17 PRIOR ART

FIG. 18 PRIOR ART

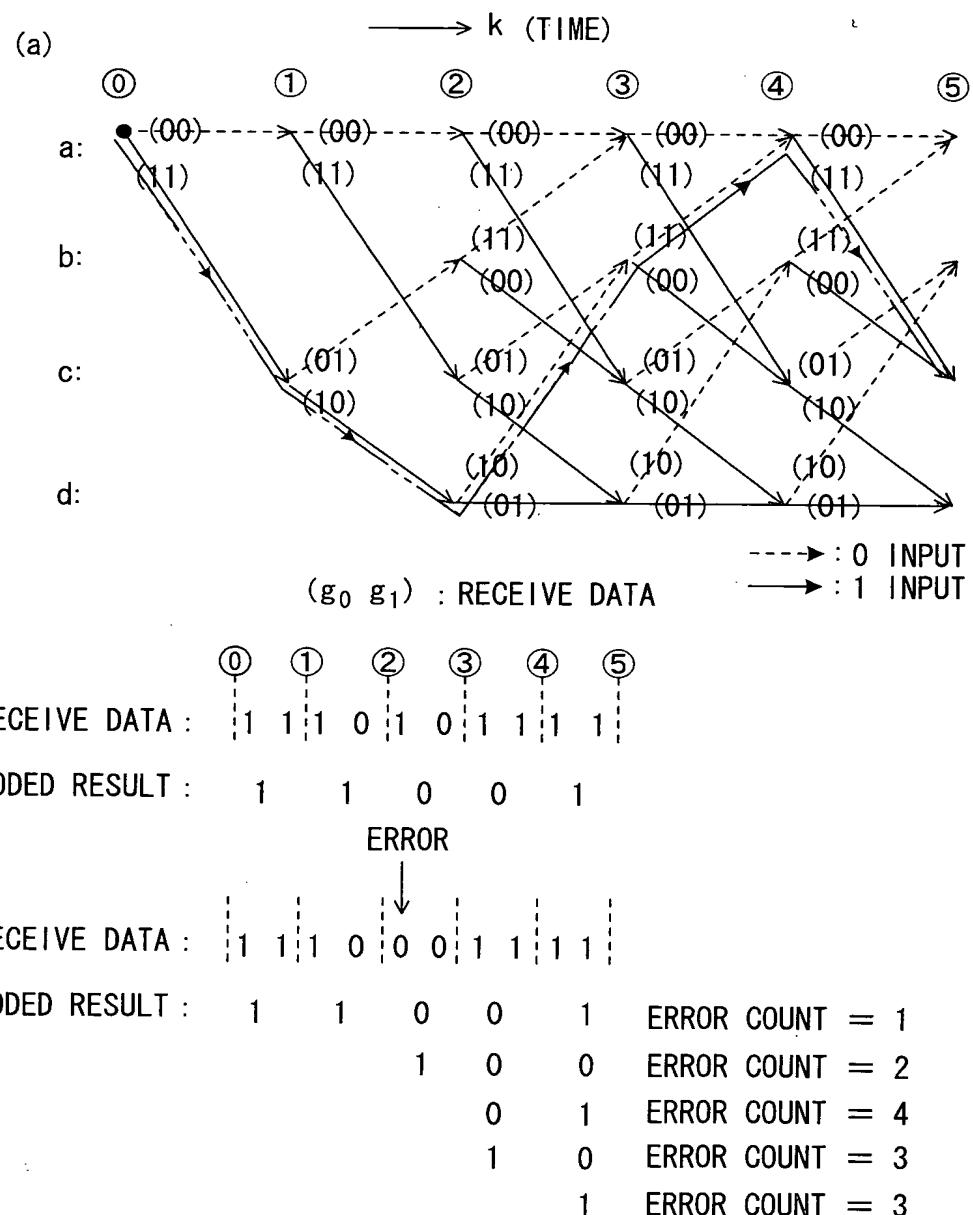
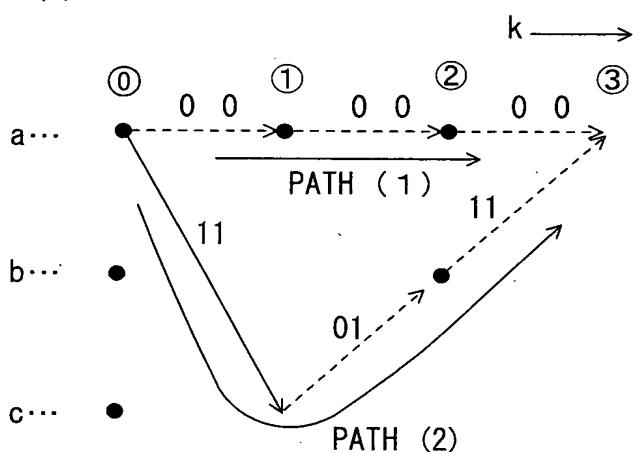


FIG. 19 PRIOR ART

(a)



(b)

1	1	1	0	0	0	0	-----	RECEIVE DATA A
0	0	0	0	0	0	0	-----	DATA OUTPUT B ASSUMING PATH (1)
1	1	1	0	0	0	0	-----	$A \oplus B$
								\therefore PATH METRIC VALUE = 3

(c)

1	1	1	0	0	0	0	-----	RECEIVE DATA A
1	1	0	1	1	1	1	-----	DATA OUTPUT B ASSUMING PATH (2)
0	0	1	1	1	1	1	-----	$A \oplus B$

\therefore PATH METRIC VALUE = 4

FIG. 20 PRIORITY ART

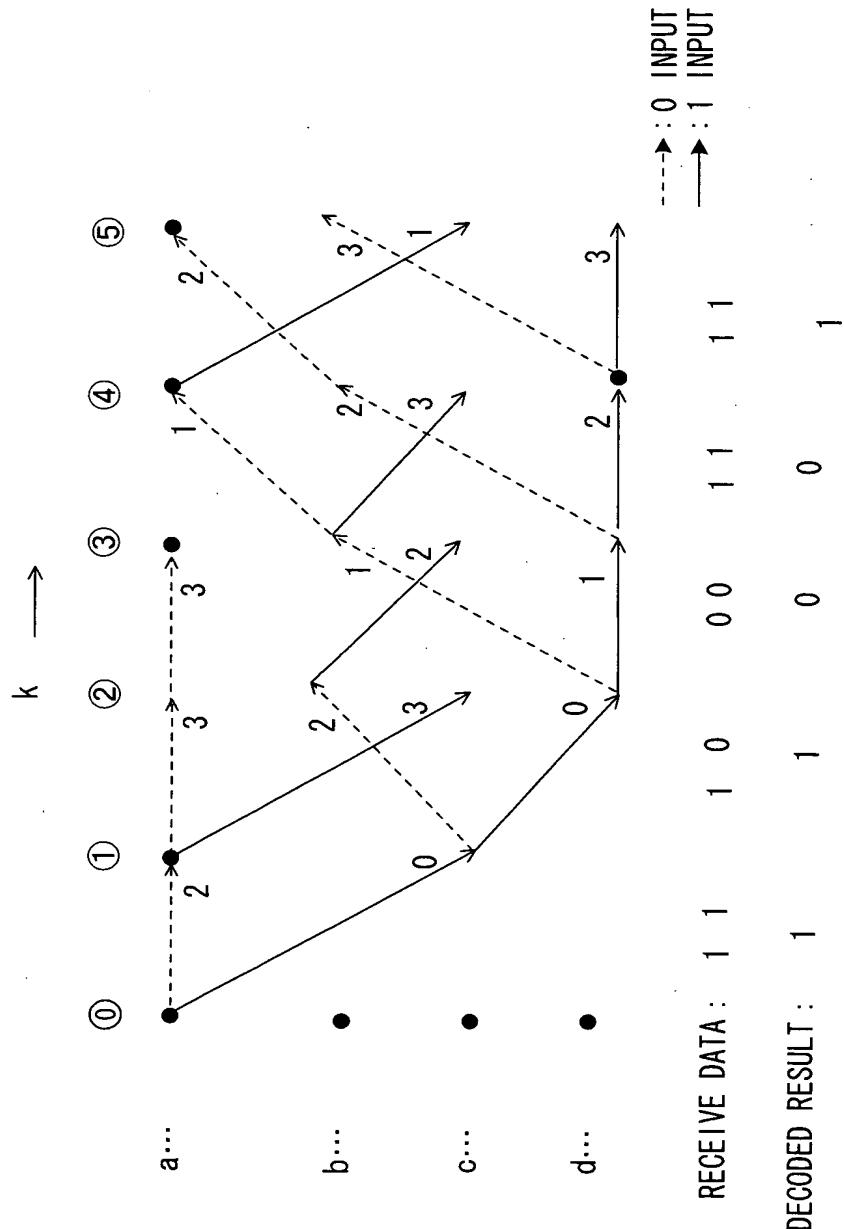


FIG. 21 PRIOR ART

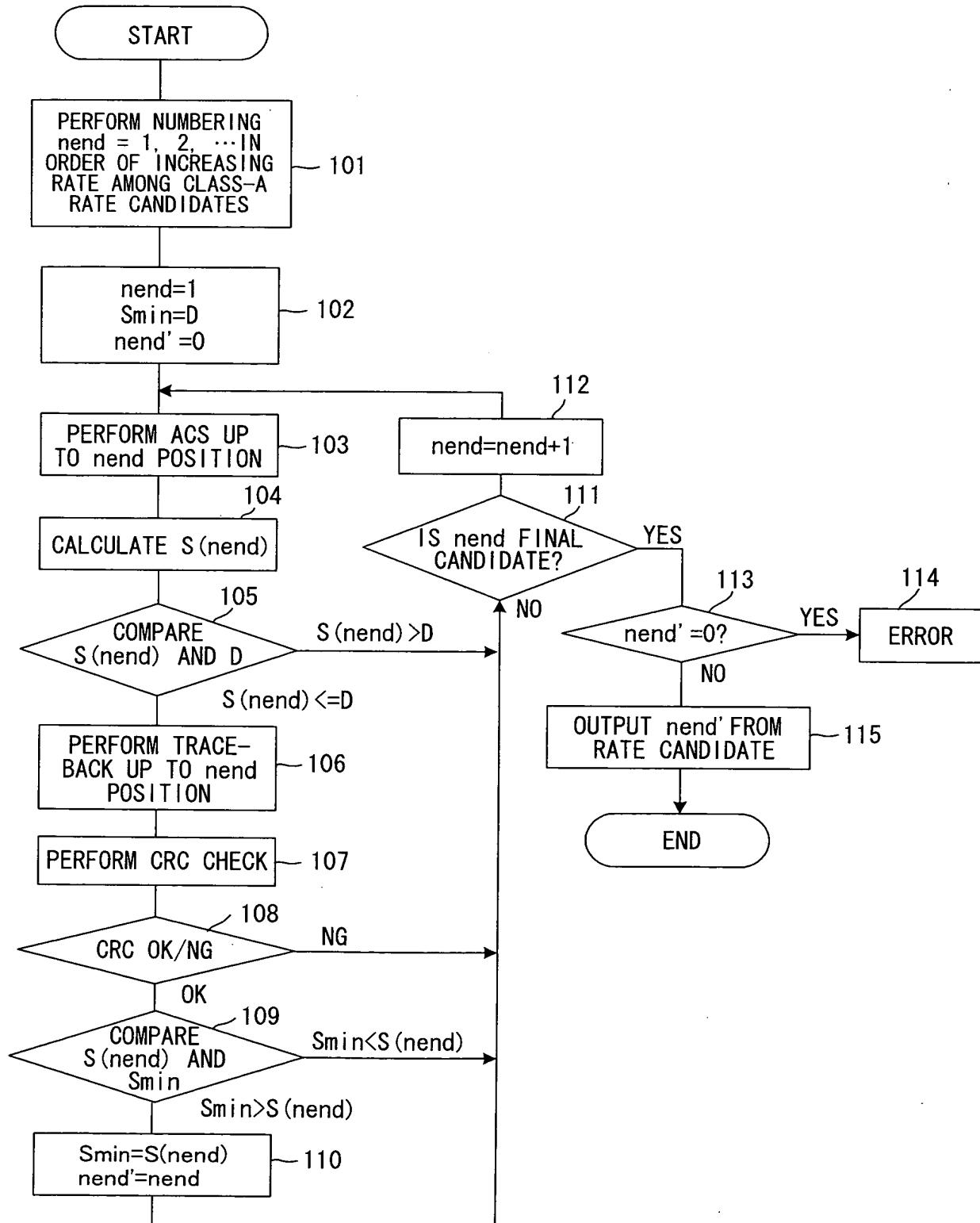


FIG. 22 PRIOR ART

